



BETWEEN BYTES

THE JOURNAL OF THE JERSEY ATARI COMPUTER SOCIETY.

VOL. 5 NO. 9

SEPT. 1987

\$2.00

NEXT MEETING
WED, SEPT. 16,
7:00 PM

FIRST MEETING IN
OUR NEW HOME!

A DEMONSTRATION
OF EASTERN FRONT
FOR THE 8-BIT

Q&A FORUM AND
TECH CORNER

NEW
MEETING
LOCATION:

WE WILL MEET
AT THE CAMDEN
COUNTY
LIBRARY, NEXT
TO THE
ECHELON MALL

MEETING NOTES

By Chuck Babli

This month we find ourselves at a new meeting place, the Camden County Library. The library is located across the street from the Echelon Mall in Voorhees.

The meeting room we will be using is on the third floor. To get there, just take the elevator to the third floor, then make two right hand turns to the room. The room is comfortable, modern, and air conditioned. So if you remember what meetings have been like in the summer in recent years, stop by! You will be in for a pleasant surprise.

Because of the fine tuning we will be doing due to the new meeting hall, we have only scheduled one demo. For the 8 bit machines, we have scheduled a demonstration of the game Eastern Front. This game is a war simulation distributed by SSI.

As of this writing, there has been no presentation scheduled for the ST machines. If anyone is willing to give a presentation on such short notice, bring your software with you to the meeting and see either Bob Whipple or myself, and we will gladly work you into the proceedings. Don't forget, you have an opportunity to be part of JACS history. Be sure to be at our next meeting!

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BETWEEN BYTES
SEPTEMBER 1987

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ENJOY!

AROUND!
E ATARI IS THE BEST COMPUTER

Answer to Cryptogram:

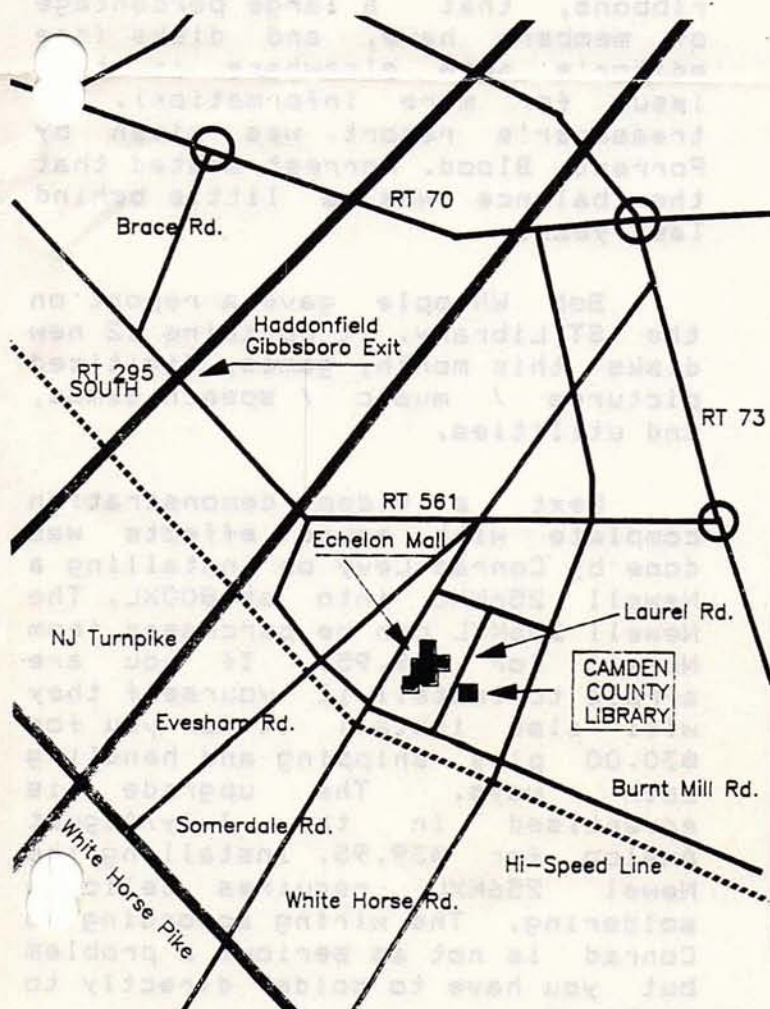


A NOTE FROM THE PRESIDENT

Ian is in England. He will be back in time to attend the meeting. Look for what's new overseas to appear here in the next issue of BETWEEN BYTES.



MAP TO CAMDEN COUNTY LIBRARY



August Meeting Minutes by Debbie Collarin

The meeting was called to order at 7:45PM by our new President Ian Sklodowski. The opening topic of this first meeting by Ian Sklodowski was the meeting place itself. He asked everyone if they had read Bob Whipple's article on page 3 of the ST Potpourri that was included in the July Between Bytes. Bob as ST Coordinator had been working very closely with the Camden County Library (CCL) in getting those trial meetings off the ground. Also as a past President and a very active member of the board he has seen first hand all the problems that have existed with the Haddonfield Arts & Crafts League (HACL) Building. The consensus of the executive board was to propose the recommendation to move the JACS meetings to the CCL effective with the September meeting. This of course was brought out for discussion. The points in favor of moving were:

1. The cost of CCL is \$5.00 versus the cost of HACL being \$55.00. There were some concerned comments about if there will still be a door charge; the answer was NO.
2. Parking at CCL would not be as big of a problem as it is HACL because of it being adjacent to the Echelon Mall.
3. The CCL is kept at comfortable temperatures, so we would not be stifling like we were at the July meeting due to lack of air conditioning. It was remarked upon that the HACL was cool tonight due to the fact that they had someone in taking pictures immediately before we arrived.
4. There is a snack lounge with machines right around the corner from the room that JACS would be

using so it would be no problem to get something to drink if someone wanted during a break.

5. The biggest controversial issue was the necessary change of hours. As the library closes exactly at 9PM, we would have to begin earlier, 7PM, and we would have to adjourn the meeting so we are out by 9PM. It was remarked on that some people because of work hours couldn't get there until after 7PM.

After much heated discussion about the above issues the President asked if anyone wanted to make a motion to propose the move. This also brought out another round of debate. Jim Cummings, Site Committee Chairman, remarked on how he has been looking since May when this issue first surfaced and basically there are no places to be had unless you want to pay an astronomical fee every month. Some people wanted the vote to come out in the next issue of Between Bytes as a mail-in ballot. But at the May meeting, when the site committee was formed and the trial ST meetings were discussed, it was decided to vote on this issue at the August Meeting. The motion was made and seconded to move the JACS meeting to the CCL effective with the September meeting. It was approved unanimously. The dates of the meetings will be listed in the newsletter.

With the change in venue it has also been brought up that we should actively recruit members through the different software and hardware stores and even book stores by asking them to place a flyer in their store and maybe even give them out to anyone purchasing Atari merchandise. This will be looked into further. Bob Whipple, ST Coordinator, remarked that the

drop in membership is not a local problem but is happening all over the country with all Atari user's groups.

As you are not allowed to exchange money on County property, JACS has come up with JACS Dollars. These may be purchased through the mail by sending your check and the form included in the newsletter to Forrest Blood, treasurer. They will be available from Forrest at the following meeting. They will be in \$1.00 and \$4.00 denominations. Prototypes were shown. These will be used for Disk of the Month and 50/50. Another idea suggested was to prepay for Disks of the Month either in a 6 month or 1 year package. Other ideas were to buy in quantity the CTI/BMC printer ribbons, that a large percentage of members have, and disks (see editor's note elsewhere in this issue for more information). The treasurer's report was given by Forrest Blood. Forrest stated that the balance was a little behind last year.

Bob Whipple gave a report on the ST Library. It contains 12 new disks this month, games, digitized pictures / music / speech demos, and utilities.

Next a video demonstration complete with sound effects was done by Conrad Levy on installing a Newell 256KXL into an 800XL. The Newell 256KXL can be purchased from Newell for \$69.95. If you are afraid to install it yourself they will also install it for you for \$30.00 plus shipping and handling both ways. The upgrade is advertised in the July/August Analog for \$39.95. Installing the Newell 256KXL requires delicate soldering. The wiring according to Conrad is not as serious a problem but you have to solder directly to a chip.

The videotape took you step by step through the procedure. Straight from starting in a clean workspace down to showing you where Conrad's upgrade is installed. The 256KXL will give the 800X1 twice the memory of a 130XE.

After the break from 8:45-9PM, Ian asked if there were any technical questions. These included a problem Joe Verble has had with his 850 interface. Jim Cummings asked about hard disk drives as he is interested in purchasing one and wants to know what problems he might encounter.

Bob Paradis commented on the Star Trek game he demonstrated last month. Because of the wide circulation of copies of it, the program will probably not be released in September as told at the meeting. This also brought up the problem of pirating software. This is an ongoing concern and problem.

Bob Whipple asked if anyone brought anything to be sent to Poland as requested in the newsletter. Bob again asked if anyone can please bring in anything for the 130XE or 1050 or old magazines. He will accept donations at the next meeting.

The next demo was by Frank Solis of Atari music software. He started off with Advanced Music System. He showed how it comes with some songs already on the disk and how you can make your own music(?). Next Frank showed the Music Composer where he demoed again the edit and demo features of this program. The last demo was of Composer's Jukebox or Music Jukebox. This is a public domain program that plays songs, with the AMS extender, that is also public domain. Frank gave us a little

concert of the William Tell Overture and the Sting. He showed us how the program will do automatic play of all songs on the disk or how you can pick what you want to hear.

Next Chuck Babli, Vice President, asked everyone to start writing to software and hardware companies to request that they not forget the Atari computers, 8-bit and ST. Products are getting very hard to find, especially for the 8-bit. Yet companies are making new products for other 8-bit computers, such as Commodore and Apple. The pros and cons of individuals versus a group form letter was discussed. The best way might be to combine the two and enclose individual letters with a form letter with many signatures on it. Two companies mentioned by Chuck were ArtWorks and MindScape. Both have new hockey games out for other 8-bit computers but have no plans releasing these for Atari.

The door prize, Atari Protection Techniques, was won by Ed Natale. Frank Solis won the 50/50 drawing of \$16.00. The drawing for those members who renewed during June and July was also held. The winner, James Zarenkiewicz of Philadelphia, receives a free Disk of the Month for a year. Congratulations to all of the winners.

ARTICLES TO BE INCLUDED IN THE OCTOBER ISSUE OF BETWEEN BYTES MUST BE RECEIVED BY SEPTEMBER 30. MATERIAL RECEIVED AFTER THAT DATE MAY BE UTILIZED IN A SUBSEQUENT ISSUE.

Daisy Dot Near Letter Quality Emulation for Star and Epson Printers

by Warren Lieuallen

I have had my Star SG-10 for nearly two years now, and am still very happy with it. It is a full-featured dot matrix printer, and performs every task I have requested of it. It even has a good quality near letter quality (NLQ) mode. Unfortunately, the NLQ character set is, in my opinion, "funny looking". I've always wished there was something I could do about it. Well, now there is.

Available from CompuServe (in data Library 3), Daisy Dot is a program written by Roy Goldman of Denver. Daisy Dot is written in compiled Turbo BASIC (also available in the JACS Disk Library), which means that it will only work on the XL and XE models. It currently supports the Star Micronics and Epson printers. Most "Epson - compatible" printers will probably work as well.

Daisy Dot allows you to print any ASCII/ATASCII file, using the traditional "double pass" NLQ printing approach. This means that the printer will print a line of characters, then advance the paper a very small amount (1/144th of an inch), and print the line again, filling any gaps in the printed characters. The approach Daisy Dot takes differs however, in that the NLQ character set is not the one originally supplied with your printer, but one of your own choosing!

This program includes both the main file printing program, as well as a font editor, for creating your own custom character sets. Printing a file is very straightforward. The

program prompts you for the font you would like to use (Daisy Dot is supplied with five different fonts. You can add on as many as you'd like.), and then the file you'd like to print. You are then asked what density you would like to print (four are supported), which will control not only the resolution, but also the number of possible columns on the page. Finally, you must decide how much space to leave between characters. Daisy Dot fonts are proportionally spaced (an "m" is much wider than an "i"), and can have from 0 to 20 columns of space between them. Following any necessary disk swapping, printing then proceeds.

The file that you are going to print must be properly formatted, however. A standard file saved with a word processor will not work. Instead, after saving the file, you must also "print" it to disk (thereby creating an ATASCII file with no printer control codes). Both PaperClip and AtariWriter Plus have this feature. It is this "printed" text file that Daisy Dot will actually print.

The font editor that is supplied is similar to many of the other Atari character set editors, in that by using the joystick, you draw each character on a grid on the screen. This editor is somewhat limited: you cannot see the character set on the screen, and many of the more sophisticated commands for moving columns and rows are missing. Nonetheless, it is quite adequate, especially considering that very few people will actually be creating a character set. More likely, the editor will be used to slightly modify certain characters that you happen to think you can make better.

As an enhancement to the editor, an Atari character set conversion program is also available. Many of you are familiar with the custom character sets available for the Atari (the common, nine sector .FNT files). These files may now be converted into NLQ Daisy Dot fonts. Once this is done, they usually require some editing, as Daisy Dot is capable of better resolution than the 9x9 Atari character matrix.

A separate version of the program is available for the Star SG-10, to compensate for the non-standard line spacing on this printer. The methods used to compensate for this difference are invisible to the user, and you can select to cancel them if you wish.

Thorough documentation is included with the programs, even though it really isn't needed. Both the printing and font editor programs are menu-driven, and are as easy to use as The Print Shop. These programs were very well thought-out and designed, and Mr. Goldman is to be congratulated.

In short, if you have a Star or Epson printer, you should have Daisy Dot. This elegant and powerful program expands the capabilities of your printer, and will allow you to easily produce very good quality output. (Look for Daisy Dot as a special Disk of the Month in the near future).

**We Do
The
Job Right**

TYPESETTER by Charles Brown

In this review, I will discuss the Typesetter program. It is put out by XLEnt Software. Like it's competition, The Print Shop, Typesetter is a program used to print your creative art work on paper.

There are actually two versions of this program provided. One is on each side of the disk. The front side has Typesetter 130, which is used by those who own the Atari 130 XE computers. The back side is Typesetter 65, for the people who don't own the 130 XE. The 130 side has some additional features, and allows for a larger main text editor screen.

To use Typesetter, you don't have to go through any set-up procedures like you do with The Print Shop. I'm not certain what limitations there are as to hardware requirements. Both Epson (and Star) and ProWriter printers are supported.

When you first boot up the program, you are given a menu with 3 choices. They are: Text Editor, Sketch Pad and Print Options. They are easily chosen using the select and start keys on your computer.

The first selection from the mainmenu is the Text Editor. It is used for doing the text work on your creation. In this mode you are actually working on the main screen. The main screen is where your final creation will be seen. This is the actual image that you will print out on paper. In Typesetter, you can see the entire graphic image, but through a "window" (similar to 80 column preview on our 40 column screen).

This editor has a lot of different useful features. You can choose from many different fonts provided, as well as using any other standard Atari .FNT file. You can also easily access the graphics font, the control character font (the characters created when normally pressing the control key and hitting the desired letter key) and the international fonts (for those who have the proper computers).

There are several page moving commands for precise placement. You can even move 1/8th of a column left or right. You can also change the sizes of the characters. You have a choice of 8 character heights. You also have a choice of 4 character widths. I have found these useful when working with character fonts and making certain designs.

You also have a choice of printing the characters in different directions. This would be useful if you want to print characters down the boundary of the page. You even can have the computer type your characters in a straight row up and down. This can be done without hitting the return key. This would be useful in creating borders, or typing in a straight row up or down the page. There are several other commands that you can use to create your layout. The 130 XE version of Typesetter has even more commands. Some of them are the ability to italicize, and automatically switch from one half of the page to the other.

The next feature chosen from the main menu is the Sketch Pad. This is where you can do your graphic work. Before explaining it, I must remind you that the editor works on the main page itself. That means what you see in the editor mode is the actual finished screen. In the sketch pad mode you will be

working on a separate sketch pad screen. When you get finished with your creation, you then transfer it to the main screen.

Like Print Shop, Typesetter lets you have a choice of drawing tools: Joystick, Koala Pad or the Atari Touch Tablet. The sketch pad has several functions to help you make your art work. These include six different fill choices. You also have three different choices of brush widths. The sketch pad will also automatically make circles and disks for you. I find it to be very useful, as I am not very good at circles and disks.

There is a small menu on the top of the sketch pad page. You use it by moving your cursor under the desired selection. The cursor will change into a "*" shape. You then just push the button on the joystick or drawing pad to make your selection. As I said before, you must transfer your art work from the sketch pad to the main screen. You can even go in the opposite direction; you can transfer things from the main screen to the sketch pad. This would be helpful if you want to modify an existing area of the screen. Very fine detail is possible using this combination. To transfer your art work to the main screen you just have a few simple steps. With your art work on the screen in the sketch pad mode, you move your cursor under the word Sketch in the menu. You then push your button on your drawing tool. This will switch you to the main screen. You then use the arrow keys to scroll the main screen around to where you want your art work, move your cursor under the word Main in the menu, and then push the button on your drawing tool. This sends you back to the sketch pad. You then hold down both the shift and control keys while hitting either the P or O key. This will move your

...t work to the desired position on the main screen. I have found that it is hard to position your art work on an empty main screen, especially if you want to put it in a corner. I seem to have trouble knowing if I am at the end of the page.

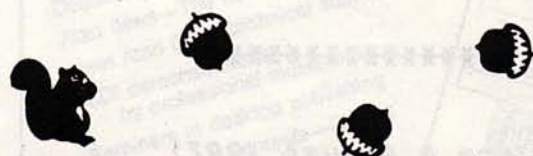
I have found the instructions on the sketch pad use to be very limited. They could have spent more time showing you how to use it. People have told me that Typesetter is very complicated. More detailed documentation would have been welcome.

The third and last function selected from the main menu is the Print Options. This is where the art work on the main screen gets put on paper. When using this mode you first have to tell the program what type of printer you are using. After finishing that, you will then select which way you want your page printed. You have three choices.

The first one is vertical full height. This will print your creation straight up and down and take the full page. The second is vertical half height. This will also print your creation straight up and down, but instead of taking up a whole page it will print it using only half the page. This way you can have your creation printed twice on one piece of paper. Or you can print two different pages on one piece of paper for more unique effects. The third choice is horizontal full height. This will print your main screen sideways on the paper and take up the whole page. I seem to like the horizontal better. It seemed to me that the vertical full height made my images too skinny. Perhaps it is just my eyes playing tricks on me.

I hope from this review you will know a little about what Typesetter is all about. While it

does not have all the user-friendly features that something like Print Shop has, it does do things that Print Shop can't. For one thing, you can save the main screen to a disk file for future use. This way you can load it in later to modify or print it again; you don't have to go through all the trouble of laying out your main screen again. Also you can put more than one picture on the main screen to be printed. You can have as many different pictures on the main screen as the size permits. I feel that this makes Typesetter very flexible and creative. I hope that from my review you can draw your own opinions and make your own choices on what is right for you.



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JACS Treasurer
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(tape here)

You've probably realized by now that all future JACS meetings will take place at the Camden County Library. While the CCL has many advantages over the old Haddonfield Arts League, it does have one disadvantage. JACS is NOT permitted to exchange any cash or checks on the premises. This is a policy of the library, and we MUST abide by it if we are to remain at this location.

But what about the Disk of the Month, JACS T-shirts, and all those other goodies you normally buy at each meeting?

Have no fear, JACS BUCKS are here. We have contacted the library, and determined that it was okay to exchange "tokens" during our meetings, as long as it wasn't legal tender. So JACS is going into the banking business. We are selling JACS BUCKS, in \$1 and \$4 denominations. These are available for purchase by any CURRENT JACS member, by simply completing the order form on the opposite side of this page and mailing it to me, along with a check or money order made out to JACS.

When you sign in at the next JACS meeting, I'll hand you your JACS BUCKS. You can use JACS BUCKS to purchase any item which is sold by the club, ie. chances for the 50/50 drawing, Disk of the Month, etc. and at the next meeting we'll have a small supply of ribbons for the BMC/CTI printers at a great price

Sounds simple, doesn't it?. Probably the only problem you'll have is trying to figure out how this order form folds up into an envelope. After filling out the order form on the back of this page, fold the two long sides in (the ! lines are always on the INSIDE of the envelope). Next place your check on the outlined square (covering the order form), and fold over 3 times on the == lines to complete the envelope. You should now have an envelope measuring 3" X 6", with my address on one side, and two '(tape here)' indicators on the back, which should be taped now. There shouldn't be any other writing on the outside of the envelope - if there is, then try again. If you still can't figure it out, then stuff the whole thing into your envelope and mail it to me as soon as possible. Hurry, the next meeting is on 9/16/87 and NO cash will be accepted at that time.

JACS BUCKS ORDER FORM

NOTE: CASH, CHECKS OR MONEY ORDERS WILL NO LONGER BE
ACCEPTED AT ANY JACS MEETINGS FOR ANY PURPOSE-NO EXCEPTIONS.
YOU MUST PURCHASE JACS BUCKS AHEAD OF TIME, IN ORDER TO BUY
THE DISK OF THE MONTH, ST DISKS, PRINTER RIBBONS, JACS
T-SHIRTS, ATARI DIG-DUG T-SHIRTS, CHANCES FOR THE DOOR
PRIZE OR 50/50 DRAWING, OR ANY OTHER ITEM WHICH IS SOLD
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1* JACS BUCKS		
4* JACS BUCKS		

Shipping - Normally you will receive your JACS
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GRAND TOTAL

Please do not send cash. Make your check/money order out to:
the Jersey Atari Computer Society, or JACS.
We appreciate your support.

[PLACE YOUR CHECK HERE]

A Note From the Editor...

I would like to start out this month's column with a word of thanks to Bob Whipple. I had a family emergency come up during production of the newsletter last month and Bob stepped in at the last minute. Without his help, there would not have been a newsletter that month. Bob is always willing to lend a hand, or to write a quick article if I don't have enough to fill the newsletter. It is because of dedicated members such as Bob that this club works. Once again, thank you for all your assistance.

The decision has finally been made to move out of Haddonfield. But, what does that mean to you? First of all, if you haven't done it already, pull the JACS BUCKS order form out of the newsletter. You must send it in so that Forrest receives it before the next meeting. That is the reason that you got the newsletter early! There can be no exchange of funds of any kind at the library. It is not permitted because it is county property. We will be thrown out of the library if we do not abide by this rule. If you are going to want to get a Disk of the Month, 50/50 ticket, JACS T-shirt or anything else that we sell, you must have JACS BUCKS!

To order your JACS BUCKS, fill out the order form elsewhere in this issue. Indicate on it the amount and the denomination (\$1 or \$4) of you order. Attach a CHECK OR MONEY ORDER (don't send cash). Fold the order form according to the instructions. Then put a stamp on it and send it off to Forrest. Be sure to order enough for your needs.

We will have for sale at the meeting: 8 bit and ST Disks of the Month, Dig Dug T-shirts, JACS T-shirts, and as always, 50/50 tickets. We will also have printer ribbons for the BMC printer. Many members have this printer (this is the printer we were selling to the membership). They are black only and we are selling them for \$6 each. More things are in the works, so don't get cut short.

As mentioned at the meeting, the meeting dates for the rest of the year will be irregular. The meeting dates will be: September 16, October 13, November 17, and December 15. The deadlines for the newsletter will be in the newsletter.

In the next few months, you may notice some changes in the format of the newsletter. I will be experimenting with some different typesets and maybe even some booklet formats. These changes will be effected in order to make BETWEEN BYTES more professional looking as well as saving money. As always, I will be asking for some feedback from YOU, the reader of BETWEEN BYTES, on what you think of these changes.

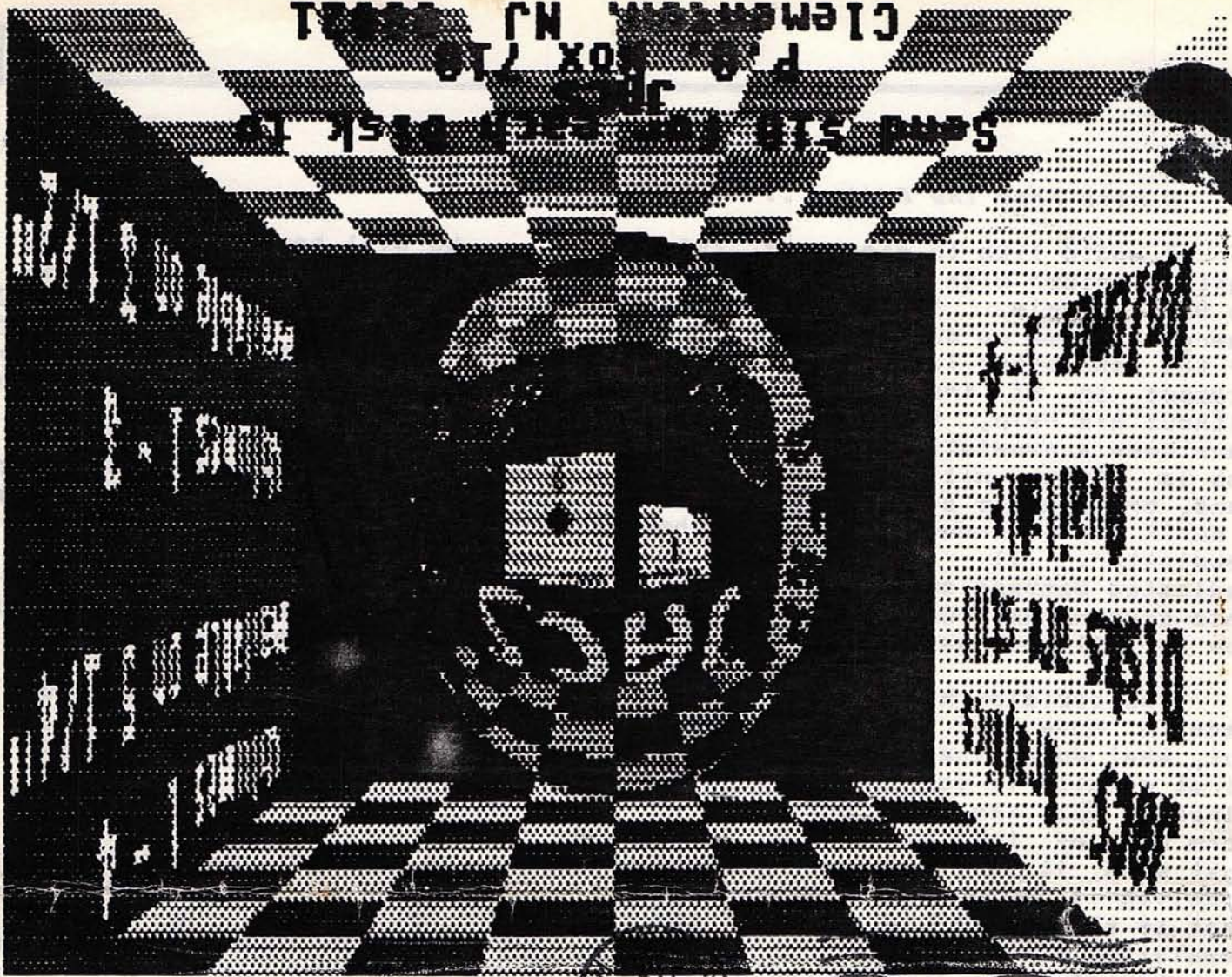
See you at the meeting.

Doug

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